

Title (en)
METHOD OF MEASURING AMOUNT OF WIRE ELECTRODE DEFLECTION

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Application
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Abstract (en)
[origin: US4521662A] PCT No. PCT/JP81/00345 Sec. 371 Date Aug. 25, 1982 Sec. 102(e) Date Aug. 25, 1982 PCT Filed Nov. 18, 1981 PCT Pub. No. WO82/02165 PCT Pub. Date Jul. 8, 1982. A method of automatically measuring the flexure value of a wire electrode 1 in a wire-cut electric discharge machine, such that at a measurement point in the course of electric discharge machining, the electric discharge is temporarily stopped, and whether or not a wire electrode 1 and a workpiece 2 come into contact is sensed by a contact sensing device 107a. The wire electrode 1 and the workpiece 2 are moved relatively to advance or retreat in accordance with a sensed touch signal TS, and a distance epsilon 1 of movement until the contact state changes is measured. The flexure value epsilon is calculated from the measured movement distance epsilon 1 and the size of the discharge gap.

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